## PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220					
MBJ-0525/PCT	ACTION as w	as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
PCT/EP2004/002254	05/03/2004	03/04/2003					
Applicant							
CONSTRUCTION RESEARCH & TECHNOLOGY GMBH							
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
-							
This International Search Report consists	a copy of each prior art document cited in th	is report.					
It is also accompanied by	a copy of each prior at accument energy						
<ol> <li>Basis of the report</li> <li>With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ol>							
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).							
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. i.							
2. Certain claims were found unsearchable (See Box II).							
3. X Unity of invention is lac	3. Unity of invention is lacking (see Box III).						
4. With regard to the title,							
•	to the state of th						
the text has been establis	the text has been established by this Authority to read as follows:						
·							
·							
5. With regard to the abstract,							
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant							
the text has been establis may, within one month fro	thed, according to Rule 38.2(b), by this Authors the date of mailing of this international se	ority as it appears in Box No. 19. The applicant arch report, submit comments to this Authority.					
6. With regards to the drawings,							
a. the figure of the drawings to be published with the abstract is Figure No							
as suggested by the applicant.							
as selected by this Authority, because the applicant failed to suggest a figure.  as selected by this Authority, because this figure better characterizes the invention.							
the figure is to be quiblished with the phytract							
b. X none of the figures is to b							

## International application No. PCT/EP2004/002254

## INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sneet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
see additional sheet				
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-13				
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.				

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

- 1. claims: [1-13]
  - 1.0) A cement additive containing copolymers comprising a unit of formula A, an acid unit of formula B and an acrylate unit of formula C.
- 2. claims: [1-13]
  - 1.1) A cement additive containing copolymers comprising a unit of formula A, a maleic anhydride unit of formula B and an acrylate unit of formula  $\mathbb C$ .
- 3. claims: [1-13]
  - 1.2) A cement additive containing copolymers comprising a unit of formula A, a maleic imide unit of formula B and an acrylate unit of formula C.
- 4. claims: [1-13]
  - 1.3) A cement additive containing copolymers comprising a unit of formula A, an acid unit or a maleic anhydride or imide unit of formula B and an acrylamide unit of formula C.

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/002254

a. classification of subject matter IPC 7 C04B24/26 C04B24/32 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) CO4B CO8F IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1.8 WO 02/096823 A (NIPPON CATALYTIC CHEM IND X ; YAMASHITA AKIHIKO (JP); HIRATA TSUYOSHI) 5 December 2002 (2002-12-05) abstract; claim 2; examples 4-6; table 1 EP 1 052 232 A (TAIHEIYO CEMENT CORP) 1,2 X 15 November 2000 (2000-11-15) examples 3,6 WO 01/58579 A (TSUZUKI TOSHITAKA ;MIYATA 1 X AKITAKA (JP); NARUSE SHIHO (JP); NAT STA) 16 August 2001 (2001-08-16) abstract; table 1 DE 199 26 611 A (SUEDDEUTSCHE 1 X KALKSTICKSTOFF) 14 December 2000 (2000-12-14) claim 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: T later document published after the International filing date or priority date and not in conflict with the application but \*A\* document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the an. "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search **2** 7. 07. 04 27 May 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Pollio, M

### INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/002254

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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